

The motor mounts on top of the drive housing **7** mating with the housing lid and using the 4 bolt pattern of the motor mount to affix the motor and lid to the housing. The motor **11** and housing **7** are then secured to the valve body **1** by the 4 through bolts **20** and holding bars **4**. Two threaded spacers **12a** and **12b** may be substituted for the motor mounting bolts for mounting the optional encoder/position switch **18** and actuating mechanism **16,17**. In this case a coupling **14** is used to attach threaded encoder shaft **15**. This shaft drives the threaded bushing **16** in and attached cam **17** in the vertical direction corresponding with the position of the diaphragms as positioned by the motor and direct connection to the rotor at the other end of the motor drive shaft. The position may be adjusted so that when the diaphragms and integral throttling surface are closed down on the discharge island the switch will be closed. Alternately, the threaded shaft **15**, bushing **16**, and cam **17** maybe replaced with a potentiometer, or other suitable encoder.

WE CLAIM:

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